
WG12 Chairperson's presentation at EURADOS AM2026 Opening Session

Chair: Paolo Ferrari

Secretary: Anita Dowling

February 16th, 2026

EURADOS Annual Meeting Helsinki, Finland

WG-12 Dosimetry for medical imaging (P. Ferrari)

Sub group 1 – Staff Dosimetry (I. Clairand) 4 active tasks:

1.2) Dose Constraints in Interventional Cardiology and Interventional Radiology (Joanna Dominiek-Andrzejewska): how are they implemented in practice?

1.3) Practical Worksheets: (joint task SG1/SG2) (Isabelle Clairand): WG12 produced a lot of reports and publications related to dosimetry and radiation protection in the last years. How can this info be transferred to workers?



WG-12 Dosimetry for medical imaging (P. Ferrari)

1.4) AI in Interventional Procedures: (Jérémie Dabin):
can A.I. “predictive” power be used to evaluate
medical staff exposure in a complex environment
as interventional theatres?



1.8) Extremity Doses in Nuclear Medicine (Robert Kollaard): one of the main concerns in Nuclear Medicine is the exposure of the staff's extremities during radiopharmaceutical preparation and administration to the patient. Which is the quality of the assessed doses?



N.T.) Discussion on a possible new task on ICRU Hp implementation (Paolo Ferrari)

WG-12 Dosimetry for medical imaging (P. Ferrari)

Sub group 2 – Patient Dosimetry (J. Dabin) 3 active tasks:

2.1) Dosimetry for dual energy CT (Aoife Gallagher): Dual-energy CT (DECT) can enhance the contrast resolution of CT images. But how about the doses to the patient?

2.4) Dosimetry in pregnancy (Dario Faj): Accidental exposure of the fetus during diagnostic imaging procedures requires a proper dosimetry. Are protocols harmonized? Are the results comparable?

2.5) Organ dose in interventional radiology (Nicolas Arbor): they are known for their effectiveness, but which is the variability of the patient doses? What does that variability depend on?



My Experience in EURADOS



Giorgia Stando

Biomedical Engineer

Researcher @ ISS, Rome (Italy)



AI-driven approaches for online dosimetry and radiation protection in healthcare

- Staff dosimetry in NM
- Patient dose optimization in CT



AM 2023
Porto, Portugal



My first AM

Attended meetings of
WG6, WG12, Pilot
Group now WG13



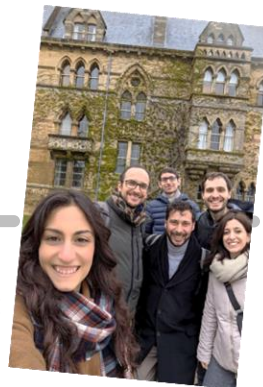
AM 2024
Oxford, UK



**Young Scientist
Conference
Support**



Presented my work
during WG12 plenary



AM 2025
Bucharest, Romania



**EURADOS
Associate
Member**

Joined WG12
activities

My Experience in EURADOS

My Contribution to WG12

- ✓ Working with cutting-edge technologies in patient and staff dosimetry.
- ✓ Sharing experiences with a young, friendly, and supportive group.

- Mainly involved in **Task 1.4: AI in Interventional Procedures** (Task leader: Jérémie Dabin)
- Investigating different AI models for estimating staff doses during IR.
- Exploring how input parameters, primary radiation and shielding effect from existing training datasets influence predictions, to improve model accuracy and reliability.

